

INTERNATIONAL SEARCH REPORT 31.001

International Application No

PCT/IB 98/01862

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/12 C07K14/47 C07K16/18 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12N C07K C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E, L	WO 99 06548 A (GENSET (FR); DUMAS MILNE EDWARDS J.-B.; DUCLERT A.; LACROIX B.) 11 February 1999 L: priority see abstract see page 144 - page 148; claims Seq.ID:112 is 98% identical to Seq.ID:134 nt.1-344. see page 110 - page 112 Seq.ID:366 is 97% identical to Seq.ID:181 nt.1-71. see page 540 - page 541 --- -/-	1,2,5,6, 8-11, 13-18



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

11 March 1999

Date of mailing of the international search report

03.06.99

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INTERNATIONAL SEARCH REPORT

International Publication No

PCT/IB 98/01862

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 98 45436 A (GENETICS INSTITUTE INC (US) JACOBS, MCCOY, LAVALLIE, RACIE, MERBERG ET AL.) 15 October 1998 see page 55 - page 61 Seq.ID:407 see page 221	1,2,5,6, 8-11, 13-18
X	Database EMBL, Entry HST03538 Accession number T03538 24 August 1993 97% identity with Seq.ID:134 nt.48-499 XP002096272	2,5
Y	see the whole document	1,6,8,9, 11,13-18
X	Database EMBL, Entry HSA57573 Accession number AA057573 19 September 1996 98% identity with Seq.ID:134 nt.102-746 XP002096273	2,10
Y	see the whole document	1,6,8,9, 11,13-18
X	Database EMBL, Entry HS409287 Accession number N57409 29 February 1996 100% identity with Seq.ID:134 nt.581-1041 reverse orientation XP002096274	2,10
Y	see the whole document	1,6,8,9, 13-18
A	WO 96 34981 A (GENSET (FR); NICOLAEVNA MERENKOVA I.; DUMAS MILNE EDWARDS J.-B.G.) 7 November 1996 cited in the application see abstract	
A	EP 0 625 572 A (KANAGAWA ACAD OF SCIENCE AND TECHNOL FOUNDATION (JP); KATO S; SEKINE S) 23 November 1994 cited in the application see abstract	
A	CARNINCI P. ET AL.: "High-efficiency full-length cDNA cloning by biotinylated CAP trapper" GENOMICS, vol. 37, no. 3, 1 November 1996, pages 327-336, XP002081729 cited in the application see abstract	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KATO S. ET AL.: "Construction of a human full-length cDNA bank" GENE, vol. 150, 1994, pages 243-250, XP002081364 cited in the application see abstract ---	
A	WO 97 07198 A (GENETICS INSTITUTE INC (US); JACOBS K; MCCOY JM; KELLEHER K; CARLIN M) 27 February 1997 ---	
A	TASHIRO K. ET AL.: "Signal sequence trap: a cloning strategy for secreted proteins and type I membrane proteins" SCIENCE, vol. 261, 30 July 1993, pages 600-603, XP000673204 see abstract ---	
A	YOKOYAMA-KOBAYASHI M. ET AL.: "A signal sequence detection system using secreted protease activity as an indicator" GENE, vol. 163, 1995, pages 193-196, XP002053953 see abstract ---	
A	HEIJNE VON G.: "A new method for predicting signal sequence cleavage sites" NUCLEIC ACIDS RESEARCH, vol. 14, no. 11, 1986, pages 4683-4690, XP002053954 cited in the application see abstract ---	
A	LOCKHART D.J. ET AL.: "Expression monitoring by hybridization to high-density oligonucleotide arrays" BIO/TECHNOLOGY, no. 14, 14 December 1996, pages 1675-1680, XP002074420 see abstract -----	18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No

PCT/IB 98/01862

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9906548	A	11-02-1999	AU 8554798 A	22-02-1999
WO 9845436	A	15-10-1998	AU 6891098 A	30-10-1998
WO 9634981	A	07-11-1996	FR 2733765 A	08-11-1996
			FR 2733762 A	08-11-1996
			AU 5982996 A	21-11-1996
			CA 2220045 A	07-11-1996
			EP 0824598 A	25-02-1996
EP 0625572	A	23-11-1994	JP 6153953 A	03-06-1994
			WO 9408001 A	14-04-1994
			US 5597713 A	28-01-1997
WO 9707198	A	27-02-1997	US 5707829 A	13-01-1998
			AU 6712396 A	18-02-1997
			AU 6768596 A	12-03-1997
			CA 2227220 A	06-02-1997
			CA 2229208 A	27-02-1997
			EP 0839196 A	06-05-1998
			EP 0851875 A	08-07-1998
			WO 9704097 A	06-02-1997